

Art Unit: 1635

FILE 'MEDLINE' ENTERED AT 10:47:44 ON 26 SEP 2003

L1 25 SEA PLU=ON CYSTEINE (3A) HYDROPHOBIC (7A) (RESIDUE OR AMINO
ACID)
D KWIC 1-10
D KWIC 11-25
D BIB AB 2 4

FILE 'STNGUIDE' ENTERED AT 10:58:04 ON 26 SEP 2003

FILE 'CAPLUS, EMBASE, BIOSIS, SCISEARCH, BIOTECHDS' ENTERED AT 11:13:44
ON 26 SEP 2003

L2 131 SEA PLU=ON L1
L3 50 DUP REM L2 (81 DUPLICATES REMOVED)
D KWIC 35-50
D KWIC 15-35
D KWIC 1-14

(FILE 'HOME' ENTERED AT 07:57:14 ON 28 SEP 2003)

FILE 'MEDLINE' ENTERED AT 07:57:20 ON 28 SEP 2003

L1 0 SEA PLU=ON NS3 AND C16T

FILE 'CAPLUS, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH' ENTERED AT 07:57:40
ON 28 SEP 2003

L2 0 SEA PLU=ON L1
L3 100 SEA PLU=ON NS3 AND CYSTEINE
L4 1 SEA PLU=ON L3 AND THREONINE
D BIB AB

FILE 'MEDLINE' ENTERED AT 07:59:06 ON 28 SEP 2003

L5 0 SEA PLU=ON L3 AND THREONINE
L6 0 SEA PLU=ON NS3 AND C17?
L7 0 SEA PLU=ON NS3 AND C16?
L8 2 SEA PLU=ON NS3 AND (L***? OR L***? OR G15? OR C16? OR I17? OR
I18? OR T19? OR S20? OR L***? OR T22?)
D BIB AB 1 2

FILE 'CAPLUS, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH' ENTERED AT 08:03:12
ON 28 SEP 2003

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L9 8 SEA PLU=ON L8

L10 2 DUP REM L9 (6 DUPLICATES REMOVED)
D BIB AB 1 2

FILE 'MEDLINE' ENTERED AT 09:07:50 ON 28 SEP 2003

L1 22 S (HCV OR HEPATITIS C) AND NS3 AND PROTEASE AND ACTIVE SITE

FILE 'CAPLUS, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH' ENTERED AT 09:26:54
ON 28 SEP 2003

L2 123 S L1

L3 56 DUP REM L2 (67 DUPLICATES REMOVED)

L4 229 (HCV OR HEPATITIS C) AND NS3 AND PROTEASE

L5 48 L4 AND (MUTATION OR MUTANT OR DIVERS?)

(FILE 'HOME' ENTERED AT 10:04:13 ON 28 SEP 2003)

FILE 'MEDLINE' ENTERED AT 10:04:22 ON 28 SEP 2003

L1 44 SEA PLU=ON (HCV OR HEPATITIS C VIRUS) AND NS3 AND (SITE
DIRECTED OR MUTAGENESIS)
D TI 20-44
D BIB AB 31

L2 314 SEA PLU=ON CHYMOTRYPSIN AND (SITE DIRECTED OR
MUTAGENESIS)
D TI 280-314

L3 70 SEA PLU=ON L2 AND SITE DIRECTED MUTAGENESIS
D TI 40-70
D KWIC 60-70

L4 12 SEA PLU=ON L3 AND SERINE PROTEASE
D TI 1-12

L5 40 SEA PLU=ON (HELICASE OR ATPASE) AND (HCV OR HEPATITIS C
VIRUS) AND (MUTATION OR MUTANT OR VARIANT OR MUTAGENESIS)
D TI 20-40
D BIB AB 36 34 29 27 26

FILE 'MEDLINE' ENTERED AT 13:08:16 ON 28 SEP 2003

L1 269 S SERINE PROTEASE AND CATALYTIC TRIAD

L2 90 S L1 AND (MUTANT OR MUTATION OR MUTAGEN?)

L3 1 S L2 AND (HCV OR HEPATITIS C)

L4 18 (HCV OR HEPATITIS C) AND NS3 AND PROTEASE AND CRYSTAL

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S #	Updt	Database	Query	Time	Comment
S9041	U	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	((hird or grinstaff).in.) and carbohydrate and lipid	2003-09-30 07:36:35	
S9040	U	USPT,PGPB,JPAB,EPAB,DWPI,TDBD	(hird or grinstaff).in.	2003-09-30 07:36:18	
S9039	U	USPT	(ns3 protease).clm.	2003-09-29 07:55:31	
S9038	U	PGPB	20020106642	2003-09-29 07:31:11	
S9037	U	USPT	(6333186.pn.) and chloramphenicol	2003-09-29 06:32:19	
S9036	U	USPT			

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	(6333186.pn.) and cmr	2003-09-29 06:32:08
S9035 U USPT		
	6333186.pn.	2003-09-29 06:32:02
S9034 U PGPB		
	(20020106642) and crystal	2003-09-28 15:09:15
S9033 U PGPB		
	(20020106642) and catalytic triad	2003-09-28 14:28:18
S9032 U PGPB		
	((20020106642) and (207040 or 207041))	2003-09-28 14:27:54
S9031 U PGPB		
	(20020106642) and (207040 or 207041)	2003-09-28 12:13:07
S9030 U PGPB		
	(20020106642) and modified	2003-09-28 11:25:52

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S9029
U
PGPB
((20020106642)and hydrophobic)
2003-09-28
11:25:27

S9028
U
PGPB
(20020106642) and hydrophobic
2003-09-28
08:35:03

S9027
U
PGPB
(20020106642) and 207040
2003-09-28
08:21:08

S9026
U
PGPB
(20020106642) and (c16\$ or c17\$)
2003-09-28
07:54:14

S9025
U
PGPB
(20020106642) and c16\$ or c17\$
2003-09-28
07:53:59

S9024
U
PGPB
20020106642
2003-09-28
07:53:45

S9023
U
USPT

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	6333186.pn. and c16\$	2003-09-26 11:09:57
S9022 U USPT		
	6333186.pn. and (cysteine same 16)	2003-09-26 11:09:19
S9021 U USPT		
	6333186.pn. and (cysteine same 17)	2003-09-26 11:08:36
S9020 U USPT		
	6333186.pn. and (cysteine or c or glycine or g)	2003-09-26 11:02:37
S9019 U USPT		
	6333186.pn. and modif\$	2003-09-26 10:13:42
S9018 U USPT		
	6333186.pn. and alpha helix	2003-09-26 09:38:13
S9017 U USPT		
	(as defined by atcc).clm.	2003-09-26 09:34:34

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S9016			
U			
USPT	(atcc same cell).clm.	2003-09-26	
		09:29:12	
S9015			
U			
USPT	atcc.clm.	2003-09-26	
		09:28:29	
S9014			
U			
USPT	6333186.pn. and (207040 and 207041)	2003-09-26	
		09:17:49	
S9013			
U			
USPT	6333186.pn. and deposit\$	2003-09-26	
		09:10:30	
S9012			
U			
USPT	(6333186.pn. and deptsit\$)	2003-09-26	
		09:10:21	
S9011			
U			
USPT	6333186.pn. and deptsit\$	2003-09-26	
		09:10:19	
S9010			
U			
USPT			

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6333186.pn. and (irrevocab\$ or restrict\$)
2003-09-26
09:09:42

S9009
U
USPT

6333186.pn. and budapest
2003-09-26
09:08:07

S9008
U
USPT

6333186.pn. and atcc
2003-09-26
09:07:41

STIC-Biotech/ChemLib

104596

From: Page, Thurman
Sent: Friday, September 26, 2003 10:51 AM
To: STIC-Biotech/ChemLib
Cc: Schnizer, Richard
Subject: FW: 09/965,594 RUSH

Importance: High

RUSH SEARCH APPROVED

Thurman K. Page
SPE Art Units 1615 & 1616
Technology Center 1600

-----Original Message-----

From: Schnizer, Richard
Sent: Friday, September 26, 2003 10:46 AM
T : Page, Thurman
Subject: 09/965,594 RUSH

Please authorize the following RUSH search for 09/965,594, which is a date case.

Please search residues 14-22 of SEQ ID NO:1 from 09/965,594 against protein and nucleic acid databases and set maximal query match at 99.9%. Please also search the pending databases.

Thank you:

Richard Schnizer, Ph.D.
Patent Examiner
Art Unit 1635
CM1 12E17
703-306-5441
Mail Box CM1 11E12

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____